

## PATENT ABSTRACTS OF JAPAN

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## (54) CATHETER

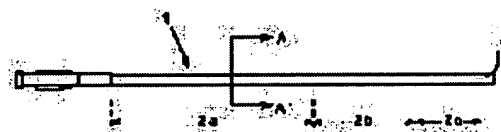
## (57)Abstract:

PROBLEM TO BE SOLVED: To improve insertability, a torque transmitting property, and workability by forming at least a part of a catheter of a metal tube, making at least the tip thereof of copper-based alloy made up of a specific wt.% of Mn, a specific wt.% of Al, the balance of Cu, and unavoidable impurities taking the rest.

SOLUTION: At least a part of a catheter 1 is composed of a metal tube. For example, the catheter 1 is formed of a superelastic Cu-Al-Mn alloy pipe, and bending elasticity is decreased gradually from a base portion 2a to an intermediate portion 2b further to a distal end 2c.

The distal end 2c is made gradually more flexible toward the tip. Furthermore, at least the distal end 2c is formed of a copper-based alloy comprised of 5 to 20 wt.% Mn, 3

to 10 wt.% Al, and Cu and unavoidable impurities accounting for the rest. This composition gives sufficient rigidity to the base portion 2a and sufficient flexibility to the distal end 2c and ensures safe use.



## LEGAL STATUS

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